

Title (en)

RECEIVING DEVICE, RECEIVING METHOD, AND PROGRAM FOR RECEPTION OF NON-LINEARLY DISTORTED SIGNALS

Title (de)

EMPFANGSVORRICHTUNG, EMPFANGSVERFAHREN UND PROGRAMM FÜR DEN EMPFANG VON NICHT-LINEAR VERZERRTEN SIGNALEN

Title (fr)

DISPOSITIF DE RÉCEPTION, PROCÉDÉ DE RÉCEPTION ET PROGRAMME POUR LA RÉCEPTION DE SIGNAUX AVEC DES DISTORTIONS NON-LINÉAIRES

Publication

EP 3206355 A1 20170816 (EN)

Application

EP 15849405 A 20150925

Priority

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- JP 2015077009 W 20150925

Abstract (en)

The present disclosure relates to a reception device, a reception method, and a program that are capable of compensating for distortion in a reception signal that does not include any known signal of the same constellation as that of the data section. A modulation unit generates a modulated signal by modulating data that is of a reception signal and has been subjected to error correction. An averaging unit that generates distortion information for each constellation of the modulated signal by averaging the reception signal that is of the same time as the modulated signal and has not been subjected to the error correction, the distortion information indicating distortion in a modulated signal of each constellation. The present disclosure can be applied to reception devices that receive signals compliant with the ARIB STD-B44 standards, the DVB-S2 or DVB-S2X standards, or the like.

IPC 8 full level

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CPC (source: EP)

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